ABSTRACT

Provided is a highly corrosion resistant high strength stainless steel pipe for linepipe, having a composition containing 0.001 to 0.015% C, 0.01 to 0.5% Si, 0.1 to 1.8% Mn, 0.03% or less P, 0.005% or less S, 15 to 18% Cr, 0.5% or more and less than 5.5% Ni, 0.5 to 3.5% Mo, 0.02 to 0.2% V, 0.001 to 0.015% N, and 0.006% or less O, by mass, so as to satisfy [Cr + 0.65Ni + 0.6Mo + 0.55Cu - 20C $\geqq$ 18.5],[Cr + Mo + 0.3Si - 43.5C - 0.4Mn - Ni - 0.3Cu - 9N $\geqq$ 11.5] and[C + N $\leqq$ 0.025]. Preferably quenching and tempering treatment is applied to the pipe. The composition may further contain 0.002 to 0.05% Al, and may further contain one or more of Nb, Ti, Zr, B, and W, and/or Cu and Ca. The microstructure preferably contains martensite, ferrite, and residual γ.